# BlueCore-PC

## Single Chip Bluetooth Software
### BCSW-BTW-0112

**February 2002**

Bluetooth™ Qualified

## Features and Benefits

- **Multiple Windows® operating system support**

- **Fast, low cost, low risk route to market**

- **No up-front NRE costs**

- **Pre-qualified to BQB**

- **Complete user documentation**

- **Complete with automated Windows installer**

## Overview

CSR's software solution for adding Bluetooth wireless technology to Windows operating system platforms enables PC OEMs and accessory manufacturers to quickly and easily add Bluetooth wireless technology to desktop and notebook PCs. This innovative solution is fully compliant with the Bluetooth v1.1 protocol specification and leverages Bluetooth Qualification Body (BQB) conformance testing into your product.

This product offering includes USB and serial drivers, protocol stack, user interface application program interfaces (APIs), support and documentation. It is designed to operate on any personal computer and provides simple integration, powerful diagnostics and the shortest possible time to market. Combined with CSR's devices, reference designs and application support it provides a one-stop-shop.
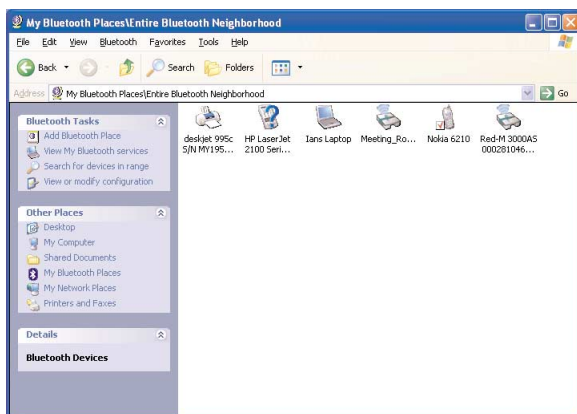


**Figure 1: Network Neighborhood Interface**

## Supported Operating Systems

Multiple Windows operating system support

BlueCore-PC currently supports:
- Windows 98SE
- Windows Me
- Windows 2000
- Windows XP

## Complete Product Offering

BlueCore-PC comes complete with object code for the Protocol Stack L2CAP, SDP, RFCOMM, OBEX, Bluetooth Manager, Bluetooth Profiles, USB, serial device drivers, user interface documentation and support.

## Convenient User Interface

The user interface provides a familiar Windows user experience for Bluetooth, which includes BTShell, a shell namespace extension application similar to Network Neighborhood; BTTray, a system tray utility; and BT Control Panel, a control panel application.
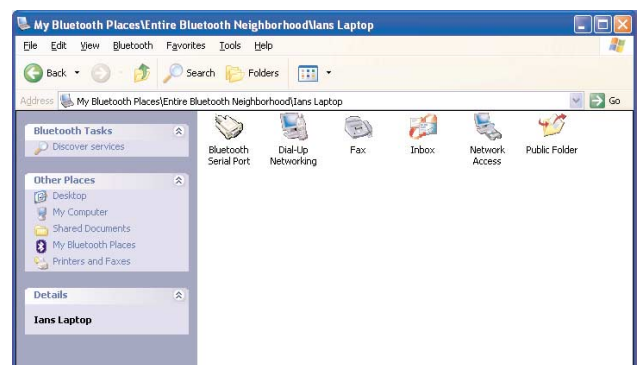


**Figure 2: Service Discovery Interface**

Bluetooth for Windows Product Data Sheet

## Hardware Reference Designs

A fast time to market is ensured by using a CSR hardware reference design in combination with BlueCore-PC software.

Reference designs include:

- USB
- PCMCIA card
- Embedded USB in PC
- Mini PCI

## Support and Training

As a leader in Bluetooth wireless technology, CSR can provide an array of services from extensive technical support, product training and conformance assistance.
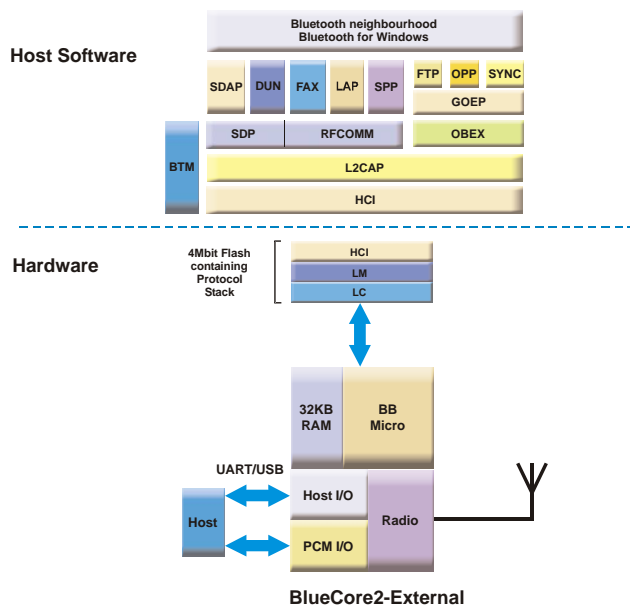


**Figure 3: BlueCore2-PC**

## Bluetooth Protocol Stack for Windows includes:

Bluetooth Protocol Stack for Windows includes: Object code libraries for Bluetooth Specification v1.1 compliant Windows protocol stack and profiles

- Generic Access Profile
- Serial Port Profile
- Service Discovery Application Profile
- Fax Profile
- LAN Access Profile
- Object Exchange Profile
- Object Push Profile
- File Transfer Profile
- Dial-up Networking Profile
- Synchronisation Profile
- Mini-port drivers to support CSR's USB and serial reference designs
- User interface, including Bluetooth neighborhood, system tray and control panel: (The user interface manages applications, security, authentication and other Bluetooth devices).
- Extensive documentation



**Figure 4: Bluetooth Security Interface**

For more information on BlueCore-PC hardware products please visit **www.csr.com/pc**

## To contact a CSR representative, please go to www.csr.com/contacts.htm

**Life Support Policy and Use in Safety-Critical Applications**
CSR's products are not authorised for use in life-support or safety-critical applications.

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